

**ABSTRACT OF THE DISCLOSURE**

This invention relates to clinical diagnostic assays and related optical bio-discs and a disc-reading apparatus. The invention is directed to a methods for determining the blood cell type of an individual.

1. A method for determining the blood cell type of an individual, comprising:  
a. providing a sample of blood from the individual;  
b. exposing the sample to a light source;  
c. detecting the light scattered by the sample;  
d. analyzing the scattered light to determine the blood cell type.